

What is claimed is:

1. An anode body for solid electrolytic capacitor comprising
a valve metal foil which makes anode, and
a layer of sintered body formed of said valve metal provided on the upper and lower surfaces of said valve metal foil, wherein
said sintered layer covers the entire side faces of said valve metal foil in three directions with exception of anode lead portion.
2. An anode body for solid electrolytic capacitor comprising
a valve metal foil which makes anode, and
a layer of sintered body formed of said valve metal provided on the upper and lower surfaces of said valve metal foil, and
a dielectric film formed on the outer surface of said sintered layer, wherein
said dielectric film formed on the surface of three side-faces of said valve metal foil with exception of anode lead portion is covered with a resist material.
3. An anode body for solid electrolytic capacitor comprising
a valve metal foil which makes anode, and
a layer of sintered body formed of said valve metal provided on the upper and lower surfaces of said valve metal foil, wherein
the surface of end face of said valve metal foil making anode is roughened.
4. An anode body for solid electrolytic capacitor comprising
a valve metal foil which makes anode, and
a layer of sintered body formed of said valve metal provided on the upper and lower surfaces of said valve metal foil, wherein
a flat plane area of said valve metal foil covered with said sintered layer is not less than one half that the flat plane area of said sintered layer.
5. An anode body for solid electrolytic capacitor comprising
a valve metal foil which makes anode, and
a layer of sintered body formed of said valve metal covering said valve metal foil with exception of the anode lead portion, wherein
a ratio of cross sectional area of said anode lead portion of said valve metal foil to that of sintered layer is not less than 10%.
6. An anode body for solid electrolytic capacitor comprising
a valve metal foil which makes anode, and
a layer of sintered body formed of valve metal covering said valve metal foil with exception of the anode lead portion, wherein
a flat plane area, and a cross sectional area, of anode lead portion of said valve

metal foil have at least the same square measure as the corresponding areas of valve metal foil covered with sintered layer.

7. An anode body for solid electrolytic capacitor comprising
 - a porous valve metal which makes anode, and
 - a layer of sintered body formed of valve metal provided on the upper and lower surfaces of said porous valve metal.
8. The anode body for solid electrolytic capacitor recited in claim 7, wherein said porous valve metal is either one among the foam metal and sponge metal.
9. An anode body for solid electrolytic capacitor comprising
 - a porous valve metal which makes anode, which has been separated into an anode lead portion and a cathode portion with a boundary in between.
10. A solid electrolytic capacitor comprising
 - the anode body for solid electrolytic capacitor recited in claim 1, which anode body having a dielectric film, a solid electrolytic layer and a cathode layer laminated in the order on the outer surface with exception of said anode lead portion.
11. A solid electrolytic capacitor comprising
 - the anode body for solid electrolytic capacitor recited in claim 4, which anode body having a dielectric film, a solid electrolytic layer and a cathode layer laminated in the order on the outer surface with exception of said anode lead portion.